



Field
Office
Technical
Guide

Nevada

Section IV Engineering Specifications

Section IV FOTG

Engineering Specifications

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Section IV FOTG

Engineering Specifications

Introduction

a. Purpose and Scope

This set of Nevada developed Construction Specifications for Engineering Practices is for use with relatively simple, non-contract or non-formal bid type engineering jobs, which are the majority of jobs performed at Natural Resources Conservation Service (NRCS) field office level. For large, complex jobs, the specifications contained in National Engineering Handbook, Part 642, "Specifications for Construction Contracting" shall be used.

b. Background

The majority of engineering practices where NRCS prepares drawings and specifications are relatively simple and do not involve a formal construction contract. Nevada NRCS has prepared a set of standard specifications that are appropriate for simple, non-contract type jobs which are usually performed by small contractors or landusers. These specifications are adapted to Nevada conditions and are basically derived from elements of specifications in Part 642 of the National Engineering Handbook and the National Practice Standards which are in the National Handbook of Conservation Practices.

How to Use Construction Specifications

a. General

Construction Specifications are a set of separate specifications covering a particular type of material, phase of construction, or specific practice. Material and construction details are contained in the same specification. Individual specifications are assembled into a set of specifications for a job. A specification cover sheet and special provisions are used to tie together a complete coherent set of specifications.

b. Selecting Specifications for a Job

Specifications selected will be based upon the type of construction and materials or specific practice. NV-GR, General Requirements, will be a part of every job set.

The minimum number of specifications needed for a particular job should be included in a job set. Certain specialized specifications, such as NV-26, Land Leveling, are designed to be mostly self contained and will usually not require many additional specifications to be added to the job set. For example, a typical land leveling job set might consist of the following specifications:

NV-GR, General Requirements
NV-26, Land Leveling

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In contrast, a water control structure that is installed in a stream and constructed of several materials would require a number of specifications. The list might include:

- NV-GR, General Requirements
- NV-5, Pollution Control
- NV-11, Removal and Control of Water
- NV-21, Excavation
- NV-23, Earthfill
- NV-32, Reinforced Concrete for Minor Structures
- NV-61, Loose Rock Riprap
- NV-81, Metal Fabrication and Installation
- NV-71, Water Control Gates

c. Cover Sheet

A standard Construction Specification cover sheet will be used for each job set of specifications. The cover sheet lists pertinent information about the job as well as standard warnings to the owner. It also lists drawings and specifications that are part of the job package. A space is provided on the cover sheet for the owner/operator's signature. The signature certifies that he or she has reviewed the drawings, specification and special provisions, and agrees to meet owner/operator's responsibilities. Nevada Form NV-CPA-4, or a facsimile, should be used.

For projects that have a set of construction drawings of more than five sheets it is to have a cover sheet which will include an index of drawings and specifications in addition to showing the name and location of the project, the names of the owners and sponsoring agencies, approval blocks, and if space permits, general notes and design data.

d. Special Provisions

Special provisions are used to add specification requirements to the job set. For simple jobs, special provisions will be simple. For example, there may be requirements for the contractor to meet that are not detailed on the drawings or standard construction specifications. These requirements can be placed in the special provisions. Nevada Form NV-CPA-4A, or a facsimile, may be used to record special provisions.